

**PATENT**  
Attorney Docket No. 7373/71172

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

CRANE, Stephen

Application No.: 09/315,390

Filed: May 20, 1999

For: THERMOPLASTIC MULTI-LAYER COMPOSITE STRUCTURE

Art Unit: 1771

Examiner: L. Rouche

May 15, 2002

**AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

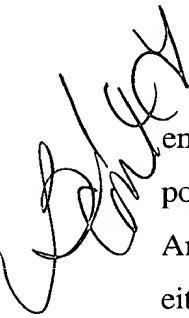
In response to the Office Action dated January 15, 2002, please enter this Amendment, and grant the concurrently filed Petition for Extension of Time.

IN THE ABSTRACT:

Please cancel the original Abstract and replace it with the following.

ABSTRACT OF THE DISCLOSURE

**RECEIVED**  
MAY 20 2002  
TC 1700



A thermoplastic multi-layer composite structure is disclosed and in a first embodiment as a co-extruded acrylic polypropylene outer skin and high melt strength polypropylene substrate which is attracted to a first surface of a polypropylene foam core. An inner polypropylene skin is attached to a second surface of the foamed core, which can either be constructed from an expanded polypropylene or an extruded polypropylene and is attached to the outer and inner skin through the use of an adhesive. Where an extruded polypropylene foam core is provided, the skins can be attached to the foam core by adhesives

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01 FC:102 168.00 CH  
02 FC:103 198.00 CH